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APPLICATION NO.	. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/721,225	11/26/2003	Joern Luctzen	2004 SP 00115	2004 SP 00115 5694	
48154 SLATER & MA	7590 05/17/2007 ATSILLLP		EXAMINER		
17950 PRESTO			GOUDREAU, GEORGE A		
SUITE 1000 DALLAS, TX 1	75252		ART UNIT	PAPER NUMBER	
<b>,</b>			1763		
			<del></del>		
			MAIL DATE	DELIVERY MODE	
			05/17/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)	· · · · · ·		
		10/721,225	LUETZEN ET AL.			
Office Action S	Summary	Examiner	Art Unit			
		George A. Goudreau	1763			
The MAILING DATE of Period for Reply	f this communicatio	n appears on the cover sheet wit	h the correspondence address			
WHICHEVER IS LONGER, - Extensions of time may be available after SIX (6) MONTHS from the maili - If NO period for reply is specified abo - Failure to reply within the set or exter	FROM THE MAILIN under the provisions of 37 C ng date of this communications, the maximum statutory inded period for reply will, by than three months after the	REPLY IS SET TO EXPIRE 3 MC IG DATE OF THIS COMMUNIC FR 1.136(a). In no event, however, may a report of the period will apply and will expire SIX (6) MONT statute, cause the application to become ABA mailing date of this communication, even if the	ATION. ply be timely filed  (HS from the mailing date of this communication)  ANDONED (35 U.S.C. § 133).			
Status						
1) Responsive to commu	unication(s) filed on	23 February 2007.	•			
2a) ☐ This action is <b>FINAL</b> .	<u> </u>					
3) Since this application	is in condition for al	lowance except for formal matte	rs, prosecution as to the merit	s is		
closed in accordance	with the practice un	der <i>Ex par</i> te Quayle, 1935 C.D.	11, 453 O.G. 213.			
Disposition of Claims		•				
4)⊠ Claim(s) <u>1-13 and 21-</u>	27 is/are pending in	the application.				
4a) Of the above claim	n(s) is/are wit	hdrawn from consideration.				
5) Claim(s) is/are						
6)⊠ Claim(s) <u>1-13 and 21-</u>						
7) Claim(s) is/are	•		•			
8) Claim(s) are su	ibject to restriction a	and/or election requirement.				
Application Papers						
9) The specification is ob	<u> </u>	_				
		accepted or b) objected to b				
• • • • • • • • • • • • • • • • • • • •		o the drawing(s) be held in abeyand		1474)		
		orrection is required if the drawing(s ne Examiner. Note the attached				
11) The bath of declaration	i is objected to by the	le Examiner. Note the attached	Office Action of format 10-102	••		
Priority under 35 U.S.C. § 119						
		reign priority under 35 U.S.C. §	119(a)-(d) or (f).			
a)⊠ All b)□ Some * c	<del></del>			٠		
·	•	ments have been received.				
· · · · · · · · · · · · · · · · · · ·	, ,	ments have been received in Ap				
<del></del>	•	e priority documents have been rureau (PCT Rule 17.2(a)).	eceived in this National Stage			
/ • •		a list of the certified copies not r	eceived	٨		
Gee the attached details	ed Office action for	a list of the defined doples not?	GEORGE GOUDREAL PRIMARY EXAMINER	dream		
Attachment(s)			5-071			

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date \_

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. \_\_\_\_\_.

6) Other: \_\_\_\_.

5) Notice of Informal Patent Application

Application/Control Number: 10/721,225

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1. Claims 1-13, and 21-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

-In the claims, the usage of the term "large structure" is confusing. (i.e.-What constitutes being a large structure?);

-In the claims, the usage of the term "main trench structures" is confusing. (i.e.-What constitutes being a main trench structure?);

-In the claims, the usage of the term "area-selective etching" is confusing. (i.e.-What constitutes being an area-selective etching process?);

-The wording used throughout claims 1, and 21 is written in a very confusing manner, and should be reworded. (i.e.-It is unclear how the opening in the etch mask are aligned relative to the difference crystal planes in the wafer which are etched. Applicant refers to a rectangular surface grid, and areas, which are formed in a checkered fashion relative to this grid. How do these structures relate to both the openings in the etch mask, and the different crystal planes in the wafer which are etched? In claim 1, see especially paragraphs 1, and 5 in this regard. In claim 21, see especially paragraphs 1, 3, and 5 in this regard.)
-The wording used in claims 2-3 is written in a very confusing manner, and should be reworded.;

-Claim 7 conflicts with claim 21 upon which it depends. (i.e.-Claim 7 recites the usage of oval openings in the etch mask while claim 21 appears to recite the usage of rectangular openings.);

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- -The wording used in claim 9 is written in a very confusing manner, and should be reworded. (i.e.- What constitutes orienting a grid with a <100> crystal orientation?);
- -The wording used in claim 11 is written in a very confusing manner, and should be reworded.; and
- -Claim 27 conflicts with claim 1 upon which it depends. (i.e.-Claim 27 recites the usage of oval openings in the etch mask while claim 1 appears to recite the usage of rectangular openings.)
- 2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 3. Any inquiry concerning this communication should be directed to examiner George A. Goudreau at telephone number (571)-272-1434.

George A. Goudfeau Primary Examiner

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